



Texas Pre-freshman Engineering Program I-IV

PEIMS Code: N1303752, N1303753, N1303754, N1303755

Abbreviation: TXPRENG1, TXPRENG2, TXPRENG3, TXPRENG4

Grade Level(s): 9-12

Award of Credit: 1.0 credit per course

Approved Innovative Course

- Districts must have local board approval to implement innovative courses.
- In accordance with Texas Administrative Code (TAC) §74.27, school districts must provide instruction in all essential knowledge and skills identified in this innovative course.
- Innovative courses may only satisfy elective credit toward graduation requirements.
- Please refer to [TAC §74.13](#) for guidance on endorsements.

Course Description:

The Texas Prefreshman Engineering Program (TexPREP™) was established in 1979 at The University of Texas at San Antonio as the San Antonio Prefreshman Engineering Program (SAPREP). Beginning in 1986, SAPREP was replicated throughout Texas as TexPREP. TexPREP is offered as a formal out-of-school-time (OST) experience across four summers as students progress from TexPREP I through TexPREP IV. The mission of the program is to motivate and prepare middle and high school students for success in advanced studies leading to careers in science, technology, engineering or mathematics (STEM). Students receive 140+ contact hours each summer. Over the four-year period students take a series of classes. Specific course content is enhanced by experiences designed to promote a clear understanding of how mathematical concepts are applied in STEM fields.

Teacher qualifications:

An assignment for The Texas Prefreshman Engineering Program (TexPREP™) is allowed with one of the following certificates:

- Master Science Teacher (Grades 8-12).
- Mathematics/Physical Science/Engineering: Grades 6-12.
- Mathematics/Physical Science/Engineering: Grades 8-12.
- Physical Science: Grades 6-12.
- Physical Science: Grades 8-12.
- Physics/Mathematics: Grades 7-12.
- Physics/Mathematics: Grades 8-12.
- Science: Grades 7-12.

Course Title

- Science: Grades 8-12.
- Science, Technology, Engineering, and Mathematics: Grades 6-12.
- Secondary Industrial Arts (Grades 6-12).
- Secondary Industrial Technology (Grades 6-12).
- Secondary Physics (Grades 6-12).
- Secondary Science (Grades 6-12).
- Secondary Science, Composite (Grades 6-12).
- Technology Education: Grades 6-12.
- Master Mathematics Teacher (Grades 8-12).
- Mathematics: Grades 7-12.
- Mathematics: Grades 8-12.
- Secondary Mathematics: Grades 6-12
- Computer Science: (8-12)
- Secondary Computer Information Systems (Grade 6-12)
- Technology Applications: Early Childhood-Grade 12
- Technology Applications: Grades 8-12
- English Language Arts and Reading: Grades 7-12*
- English Language Arts and Reading: Grades 8-12*
- Junior High School (Grades 9-10 only), High School, Secondary, Grades 6-12, or Grades 9-12: English Language Arts, Composite*

*Certification required to teach TexPREP III™ STEM technical writing component only.

Additional information:

Districts interested in awarding credit to their students for participation in the program should contact:

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